



# EC Type-Examination Certificate

522082/6

First Issued: 22 October 2015 Issue date: 10 May 2016 Expiry date: 12 April 2021

This is to certify that BTTG Testing & Certification Ltd, specified as a "notified body" under the terms of the Personal Protective Equipment Regulations 2002, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the relevant provisions of EC Directive 89/686/EEC, or as amended, subject to any conditions in the schedule attached hereto.

**Manufacturer:** Beeswift Ltd

**Address:** West Wing Delta House  
Delta Point, Greets Green Road  
West Bromwich, West Midlands  
B70 9PL

**Product Description:** Coverall

**Product Code:** CARC6


**Technical File reference:** CARC


**Harmonised Standard(s):** EN ISO 13688:2013  
EN 1149-3:2004  
EN 1149-5:2008  
EN ISO 11611:2015 (Class 1 A1 A2)  
EN ISO 11612:2015 (Code letters A1 A2 B1 C1)

**Technical Specification:** IEC 61482-2:2009  
EN 61482-1-2:2007 (Class 1 = 4 kA)  
EN 61482-1-1:2009 (ATPV = 10.8 Cal/cm<sup>2</sup>)

This certificate relates specifically to the PPE items described and depicted in the manufacturer's Technical File, copies of which are held by the manufacturer and BTTG, and not to any other items.

The attached schedule of approval forms part of this certificate. This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Certificate Authorised by:  J L Wilson  
Certification Officer

and:  Q Brown  
Senior Certification Officer

**Notified Body for PPE  
Testing & Certification  
I.D. No. 0338 & 0339**



Issued by BTTG Testing & Certification Ltd., Notified Body Identification No. 0338 and 0339. 522082

0338/0339 EC10 v.10 17/07/2015



## Schedule of Approval

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**Beeswift Ltd**

**CARC**

### CONDITIONS OF CERTIFICATION

#### Description of product

Flame retardant, antistatic clothing:

<b>Coverall</b>	<b>CARC6</b>
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Available in the following fabric(s):

**F367; 60/40 Modacrylic Cotton with Antistatic (310 g.m<sup>-2</sup>) (Red; Navy Blue)**

#### Manufacturer's Technical Specification

The manufacturer's Technical Specification for clothing for the end use of protection from the thermal hazards of an electric arc was based on IEC 61482-2:2009 "Live working – Protective clothing against the thermal hazards of an electric arc – Part 2: Requirements". The materials and garments were assessed according to IEC 61482-1-1:2009 "Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-1: Test methods – Method 1: Determination of the arc rating (ATPV or EBT50) of flame resistant materials for clothing" and according to EN 61482-1-2:2007 "Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-2: Test methods – Method 2: Determination of arc protection class of material by using a constrained and directed arc (box test)". The suitability of these standards was checked with respect to the Basic Health and Safety Requirements of EC Directive 89/686/EEC, and was found to address the requirements for this end use.

#### Limitations of Use

- Usage, maintenance and storage as per manufacturer's instructions.
- The pre-treatment for the "Arc Thermal Resistance" test specified in EN 61482-1-1:2009 for the fabric conformed to ASTM F1959-2004 and consisted of three cycles of washing, rather than the five cycles required by IEC 61482-2:2009. In the opinion of BTTG Testing & Certification, this should not significantly affect the test results obtained.

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## Schedule of Approval (continued)

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**Beeswift Ltd**

**CARC**

### DOCUMENTATION SUBMITTED (Technical File – CARC):

#### Approval Documents

- Design report Nos. 52735/C1/CS; 52735/E1/CS
- Fabric test report Nos. 38925 (Amended); 38925-01 (Amended); Amendment to TR2845/33566; 2010EP0825; K-418310
- Garment test report Nos. 52735/A/1/FTS; 52735/A/2/FTS; 52735/A/6/FTS; 52735/A/7/FTS; 52735/A/10/FTS; Testing ref. 52735/F; 2012EP0306; 521073/A/1/FTS; K-418812-1512705-R00
- Retroreflective test report No. SHSL1303033553TX
- Ergonomic Assessment test report No. 52735/B1/CS
- Innocuousness test report Nos. GZTXO070507213TX; 166170; GZHT00534849; GZSL1011078396TX

#### Product Documentation

- Product description
- Drawings and photographs
- Fabric descriptions and test data
- Component list
- Size charts
- Quality system information for manufacturing sites
- Article 11 information for manufacturing sites
- Labelling
- User Information

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**Beeswift Ltd**

**CARC**

### Terms and Conditions associated with the issue of this EC Type-Examination Certificate

1. This certificate is issued subject to BTTG's standard terms of business.
2. Production is limited to the site(s) listed in the manufacturer's Technical File, copies of which are held by the manufacturer and BTTG, and not to any other production site(s).
3. The client must implement appropriate changes as notified by BTTG.
4. The client must ensure the certified product is representative of the ongoing manufactured product.
5. The client must investigate complaints associated with the certified products. Records of such complaints, and actions taken, must be kept by the client and made available to BTTG when requested.
6. The client must only make claims consistent with the scope of certification,
7. The client must not make any misleading or unauthorised comments regarding the certified product or the certification body.
8. The client must upon suspension, withdrawal, or termination of certification discontinue the use of all advertising matter that contains any reference thereto and take action to return this certificate to BTTG.
9. The client must comply with the requirements for the use of the notified body number as detailed below.
10. Any change to the product or quality manual / quality plan shall be immediately notified to BTTG.
11. This certificate is issued in the English language only. It is the responsibility of the Manufacturer / Authorised Representative to obtain and supply language versions acceptable to the country where the product is to be sold. This certificate remains the property of BTTG and will be withdrawn if any of the conditions attached to its issue are not complied with.
12. This certificate does not authorise the use of the Mark of Conformity (the 'CE mark'), which may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when Article 11(A or B) of the Directive is fully complied with and controlled by a written agreement with a notified body.

#### Use of Notified Body Number

1. The Notified Body Number must only be used
  - a. In direct association with products or systems covered by this Type-Examination Certificate.
  - b. by holder(s) of the Certificate.
2. Use of BTTG Notified Body Number does not extend to other companies which are:
  - a. part of the same corporate group as the Certificate holding company: or
  - b. named in a Certificate, for example as a supplier.
3. Particular care must always be taken to avoid the association of the BTTG Notified Body Number with other products or systems or schemes and with claims or information not contained in the BTTG document.
4. The EC mark consists of the letters 'CE', in the form given in Annex II of Regulation (EC) No 765/2008, followed by the number of the notified body involved in production control monitoring (Article 11).

If any of the above requirements are not met BTTG will seek to suspend, withdraw or terminate this certificate.

END OF CERTIFICATE